CLAIMS

What is claimed is:

1   1.   A method of processing a web page comprising:

2   receiving a web page, wherein the web page includes a plurality of data

3   elements and wherein each one of the plurality of data elements is at least one of a

4   plurality of known data types;

5   classifying each one of the plurality of data elements ;

6   determining a plurality of related operations for each one of the plurality of

7   classified data elements ; and

8   outputting the plurality of related operations.

1   2.   The method of claim 1, wherein outputting the plurality of related operations

2   includes promoting at least one of the plurality of related operations.

1   3.   The method of claim 2, wherein promoting at least one of the plurality of

2   related operations comprises:

3   selecting one of the pluralities of related operations;

4   displaying the selected one of the plurality of related operations in a first

5   mode; and

6   displaying the unselected ones of the plurality of related operations in a

7   second mode.

1   4.   The method of claim 2, wherein promoting at least one of the plurality of

2   related operations comprises:

3   selecting at least one of the pluralities of related operations wherein the

4   selection is determined by a preference.

1   5.   The method of claim 4, wherein the preference comprises a user profile.

1   6.   The method of claim 4, wherein the preference comprises a service provider

2   preference.

1   7.   The method of claim 4, wherein the preference comprises a financial

2   incentive.

1   8.   The method of claim 1, further comprising:

2   extracting data from each one of the plurality of classified data elements ;

3   receiving a selection of one of the plurality of related operations;

4   outputting the extracted data corresponding to the selected one of the

5   plurality of related operations; and

6   processing the extracted data in the selected one of the plurality of related

7   operations.

1   9.   The method of claim 1, wherein the method is executed on a user terminal.

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1   10.   The method of claim 1, wherein the method is executed on a server.

1   11.   The method of claim 1, wherein the method is executed on a server and a

2   user terminal.

1   12.   A method of processing a web page comprising:

2   receiving a web page in a server, wherein the web page includes a plurality

3   of data elements and where in each one of the plurality of data

4   elements is at least one of a plurality of known data types; data

5   elements ;

6   classifying each one of the plurality of data elements ;

7   determining a plurality of related operations for each one of the plurality of

8   classified data elements ;

9   outputting a plurality of related operations through a wireless data link to a

10   wireless user terminal;

11   extracting data from each one of the plurality of classified data elements ;

12   receiving a selection of one of the plurality of related operations;

13   outputting the extracted data corresponding to the selected one of the

14   plurality of related operations; and

15   processing the extracted data in the selected one of the plurality of related

16   operations.

1   13.   A system for processing a web page comprising:

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2   a processor;

3   a storage facility coupled to the processor and containing instructions

4 executable by the processor which configure the processing system to

5   receive a web page, wherein the web page includes a plurality of data

6   elements and where in each one of the plurality of data

7   elements is at least one of a plurality of known data types;

8   classify each one of the pluralities of data elements;

9   determine a plurality of related operations for each one of the

10   plurality of classified data elements ; and

11   output the plurality of related operations.

1   14.   The system of claim 13, further comprising a user terminal coupled to the

2 processor and wherein the instructions executable by the processor further configure

3 the processing system to determine a plurality of related operations for each one of

4 the plurality of classified data elements and output the plurality of related operations

5 to a user terminal.

1   15.   The system of claim 14, wherein the processor is coupled to the user terminal

2 via a network.

1   16.   The system of claim 15, wherein the network includes at least one of a group

2 consisting of a wireless application protocol (WAP), an Internet, an intranet, a local

3 area network (LAN) and a wide area network (WAN).

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1 17.   The system of claim 15, wherein the user terminal includes at least one of a

2 group consisting of a personal digital assistant (PDA), a telephone, a cellular

3 telephone, a two-way pager, a computer, a website, and a server.

1 18.   A machine-readable program storage medium tangibly embodying a

2 sequence of instructions executable by a machine to perform a method comprising:

3   receive a web page, wherein the web page includes a plurality of data

4   elements and wherein each one of the plurality of data elements is at

5   least one of a plurality of known data types;

6   classify each one of the plurality of data elements ; and

7   determine a plurality of related operations for each one of the plurality of

8   classified data elements .

1 19.   The machine-readable program storage medium of claim 18, further

2 comprising:

3   outputting a plurality of related operations.

1 20.   The machine-readable program storage medium of claim 19, wherein

2 outputting the plurality of related operations includes promoting at least one of the

3 plurality of related operations.

1 21. The machine-readable program storage medium of claim 20, wherein

2 promoting at least one of the plurality of related operations comprises:

3   selecting one of the pluralities of related operations;

4   displaying the selected one of the plurality of related operations in a first

5 mode; and

6   displaying the unselected ones of the plurality of related operations in a

7 second mode.

1 22. The machine-readable program storage medium of claim 20, wherein

2 promoting at least one of the plurality of related operations comprises:

3   selecting at least one of the pluralities of related operations wherein the

4   selection is determined by a preference.

1 23. The machine-readable program storage medium of claim 22, wherein the

2 preference comprises a user profile.

1 24. The machine-readable program storage medium of claim 22, wherein the

2 preference comprises a service provider preference.

1 25. The machine-readable program storage medium of claim 22, wherein the

2 preference comprises a financial incentive.

1   26.   The machine-readable program storage medium of claim 19, further

2   comprising:

3   extracting data from each one of the plurality of classified data elements ;

4   receiving a selection of one of the plurality of related operations;

5   outputting the extracted data corresponding to the selected one of the

6   plurality of related operations; and

7   processing the extracted data in the selected one of the plurality of related

8   operations.

1   27.   The machine-readable program storage medium of claim 18, wherein the

2   method is executed on a user terminal.

1   28.   The machine-readable program storage medium of claim 18, wherein the

2   method is executed on a server.

1 29. The machine-readable program storage medium of claim 18, wherein the

2 method s executed on a server and a user terminal.

1 30. An apparatus for processing a web page comprising:

2 means for receiving a web page, wherein the web page includes a plurality of

3 data elements and wherein each one of the plurality of data elements

4 is at least one of a plurality of known data types;

5 means for classifying each one of the plurality of data elements ;

6 means for determining a plurality of related operations for each one of the

7 plurality of classified data elements ; and

8 means for outputting the plurality of related operations.

1 31. The apparatus of claim 30, wherein the means for outputting the plurality of

2 related operations includes means for promoting at least one of the plurality of

3 related operations.

1 32. The apparatus of claim 31, wherein the means for promoting at least one of

2 the plurality of related operations comprises:

3 means for selecting one of the pluralities of related operations;

4 means for displaying the selected one of the plurality of related operations in

5 a first mode; and

6 means for displaying the unselected ones of the plurality of related

7 operations in a second mode.

1   33.   The apparatus of claim 2, wherein the means for promoting at least one of the

2   plurality of related operations comprises:

3   means for selecting at least one of the pluralities of related operations

4   wherein the selection is determined by a preference.

1   34.   The apparatus of claim 33, wherein the preference comprises a user profile.

1   35.   The apparatus of claim 33, wherein the preference comprises a service

2   provider preference.

1   36.   The apparatus of claim 33, wherein the preference comprises a financial

2   incentive.

1   37.   The apparatus of claim 30, further comprising:

2   means for extracting data from each one of the plurality of classified data

3   elements ;

4   means for receiving a selection of one of the plurality of related operations;

5   means for outputting the extracted data corresponding to the selected one of

6   the plurality of related operations; and

7   means for processing the extracted data in the selected one of the plurality of

8   related operations.